

ROHS 2

New Directive for Restrictions of Hazardous Substances in Electrical and Electronic Equipment (Introduction)

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What is ROHS 2?

- Revised ROHS Directive 2011/65/EU:

- Restriction
- of the use of certain
- Hazardous
- Substances in electrical and electronic equipment



- ROHS 2:

- Published in Official Journal on July 1, 2011
- Entered into force on July 21, 2011
- Will replace ROHS 1 on January 3, 2013



Categories of EEE covered by ROHS 2

Annex I:

1. Large Household Appliances
2. Small Household Appliances
3. IT and Telecommunication
4. Consumer Equipment
5. Lighting Equipment
6. Electrical and Electronic Tools
7. Toys, Leisure and Sports Equipment

8. Medical Devices



9. Monitoring and Control Instruments



10. Automatic Dispensers

11. All EEE not covered by any of the categories above: Open scope (not for 8 years)

Scope Exclusions



ROHS 2 does not apply to:

1. Military equipment
2. Space equipment
3. Equipment designed to form part of other equipment not within scope
4. Large scale industrial tools (LSIT)
5. Large scale fixed installations
6. Means of transport
7. Non-road mobile machinery
8. Active implantable medical devices
9. Photovoltaic panels
10. Equipment for R&D only available business to business

Restricted Substances (Annex II)



Lead (0.1%)



Mercury (0.1%)



Cadmium (0.01%)



Hexavalent chromium (0.1%)



Polybrominated Biphenyl (0.1%)



Polybrominated Diphenyl Ethers (0.1%)

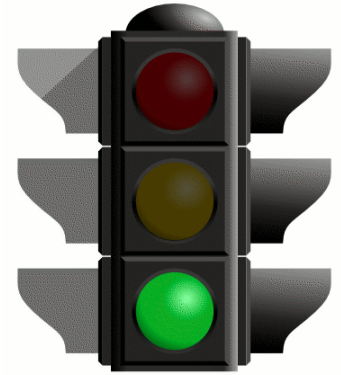
ROHS 2: *No change* to the ROHS 1 list

Further Restrictions of Substances?

- First **review of Annex II** by July 22, 2014 at the latest
- **New mechanism** for adding substances to Annex II:
 - Based on scientific evidence
 - In line with REACH chemicals Regulation (Article 6)
- Focus on:
 - HBCDD, DEHP, BBP and DBP
 - Nanomaterials



Exemptions



- **Annex III** exemptions apply to all product categories
- **Annex IV** exemptions specific to Medical Devices and Monitoring & Control Instruments
- **New rules for granting exemptions** from the substance ban

CE Mark

- ROHS becomes a CE mark Directive
- Declaration of conformity (Format in Annex VI)
- Technical files
- Demonstrating compliance



Our ROHS Services



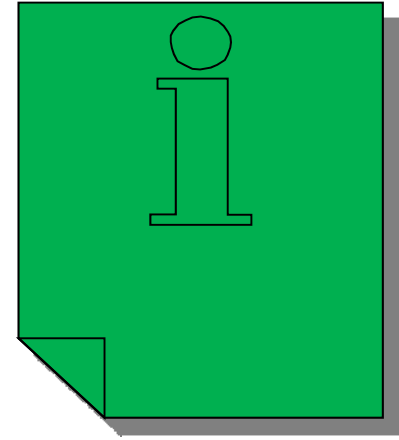
Helping US Businesses Comply with ROHS

- At the US Mission to the EU we help companies export to Europe through counseling, market reports, and commercial diplomacy
- See our RoHS website
- And list of business service providers



<http://export.gov/europeanunion/weerohs/rohsinformation/index.asp>

For More Information



RoHS 2 Directive Link:

[http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri= OJ:L:2011:174:0088:0110:EN:PDF](http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2011:174:0088:0110:EN:PDF)

Commission ROHS webpage:

http://ec.europa.eu/environment//waste/rohs_eee/index_en.htm

US Mission to the EU:

www.export.gov/europeanunion

RoHS webpage:

<http://export.gov/europeanunion/weerohs/index.asp>

Questions?

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Thank you!